

Millos PJ 10"
STAND-BY SMPS

ST-RY
RESET SWITCH

RST
RESET SWITCH

MODEL OPTION
MILLOS PJ 10" MODEL OPTION
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NOTE: THE POWER SUPPLY UNIT IS DESIGNED TO OPERATE AT A STAND-BY MODE.

COMPONENTS:
FUSE, THERMAL CUTOUT, TRANSFORMER, RECTIFIER BRIDGE, FILTER CAPACITORS, CONTROL CIRCUITRY.

WIRING: Detailed connections between all components are shown, including grounding points and signal paths.

SAFETY: Multiple warning symbols (lightning bolts) indicate high voltage areas throughout the circuit.

The image displays two circuit diagrams for a 105W 40" inverter. The left diagram is a detailed schematic, while the right diagram is a simplified version.

Left Diagram (Detailed Schematic):

- Power MOSFET Stage:** Features a MOSFET (M1) driven by a gate driver (M2) and a bootstrap circuit. The MOSFET is connected to a transformer (T1) and a filter capacitor (C1).
- Transformer:** A power transformer with multiple secondary windings, labeled with voltages such as 0V, 120V, 240V, 360V, 480V, 600V, 720V, 840V, 960V, 1080V, 1200V, 1320V, 1440V, 1560V, 1680V, 1800V, 1920V, 2040V, 2160V, 2280V, 2400V, 2520V, 2640V, 2760V, 2880V, 3000V, 3120V, 3240V, 3360V, 3480V, 3600V, 3720V, 3840V, 3960V, 4080V, 4200V, 4320V, 4440V, 4560V, 4680V, 4800V, 4920V, 5040V, 5160V, 5280V, 5400V, 5520V, 5640V, 5760V, 5880V, 6000V, 6120V, 6240V, 6360V, 6480V, 6600V, 6720V, 6840V, 6960V, 7080V, 7200V, 7320V, 7440V, 7560V, 7680V, 7800V, 7920V, 8040V, 8160V, 8280V, 8400V, 8520V, 8640V, 8760V, 8880V, 9000V, 9120V, 9240V, 9360V, 9480V, 9600V, 9720V, 9840V, 9960V, 10080V, 10200V, 10320V, 10440V, 10560V, 10680V, 10800V, 10920V, 11040V, 11160V, 11280V, 11400V, 11520V, 11640V, 11760V, 11880V, 12000V, 12120V, 12240V, 12360V, 12480V, 12600V, 12720V, 12840V, 12960V, 13080V, 13200V, 13320V, 13440V, 13560V, 13680V, 13800V, 13920V, 14040V, 14160V, 14280V, 14400V, 14520V, 14640V, 14760V, 14880V, 15000V, 15120V, 15240V, 15360V, 15480V, 15600V, 15720V, 15840V, 15960V, 16080V, 16200V, 16320V, 16440V, 16560V, 16680V, 16800V, 16920V, 17040V, 17160V, 17280V, 17400V, 17520V, 17640V, 17760V, 17880V, 18000V, 18120V, 18240V, 18360V, 18480V, 18600V, 18720V, 18840V, 18960V, 19080V, 19200V, 19320V, 19440V, 19560V, 19680V, 19800V, 19920V, 20040V, 20160V, 20280V, 20400V, 20520V, 20640V, 20760V, 20880V, 21000V, 21120V, 21240V, 21360V, 21480V, 21600V, 21720V, 21840V, 21960V, 22080V, 22200V, 22320V, 22440V, 22560V, 22680V, 22800V, 22920V, 23040V, 23160V, 23280V, 23400V, 23520V, 23640V, 23760V, 23880V, 24000V, 24120V, 24240V, 24360V, 24480V, 24600V, 24720V, 24840V, 24960V, 25080V, 25200V, 25320V, 25440V, 25560V, 25680V, 25800V, 25920V, 26040V, 26160V, 26280V, 26400V, 26520V, 26640V, 26760V, 26880V, 27000V, 27120V, 27240V, 27360V, 27480V, 27600V, 27720V, 27840V, 27960V, 28080V, 28200V, 28320V, 28440V, 28560V, 28680V, 28800V, 28920V, 29040V, 29160V, 29280V, 29400V, 29520V, 29640V, 29760V, 29880V, 30000V, 30120V, 30240V, 30360V, 30480V, 30600V, 30720V, 30840V, 30960V, 31080V, 31200V, 31320V, 31440V, 31560V, 31680V, 31800V, 31920V, 32040V, 32160V, 32280V, 32400V, 32520V, 32640V, 32760V, 32880V, 33000V, 33120V, 33240V, 33360V, 33480V, 33600V, 33720V, 33840V, 33960V, 34080V, 34200V, 34320V, 34440V, 34560V, 34680V, 34800V, 34920V, 35040V, 35160V, 35280V, 35400V, 35520V, 35640V, 35760V, 35880V, 36000V, 36120V, 36240V, 36360V, 36480V, 36600V, 36720V, 36840V, 36960V, 37080V, 37200V, 37320V, 37440V, 37560V, 37680V, 37800V, 37920V, 38040V, 38160V, 38280V, 38400V, 38520V, 38640V, 38760V, 38880V, 39000V, 39120V, 39240V, 39360V, 39480V, 39600V, 39720V, 39840V, 39960V, 40080V, 40200V, 40320V, 40440V, 40560V, 40680V, 40800V, 40920V, 41040V, 41160V, 41280V, 41400V, 41520V, 41640V, 41760V, 41880V, 42000V, 42120V, 42240V, 42360V, 42480V, 42600V, 42720V, 42840V, 42960V, 43080V, 43200V, 43320V, 43440V, 43560V, 43680V, 43800V, 43920V, 44040V, 44160V, 44280V, 44400V, 44520V, 44640V, 44760V, 44880V, 45000V, 45120V, 45240V, 45360V, 45480V, 45600V, 45720V, 45840V, 45960V, 46080V, 46200V, 46320V, 46440V, 46560V, 46680V, 46800V, 46920V, 47040V, 47160V, 47280V, 47400V, 47520V, 47640V, 47760V, 47880V, 48000V, 48120V, 48240V, 48360V, 48480V, 48600V, 48720V, 48840V, 48960V, 49080V, 49200V, 49320V, 49440V, 49560V, 49680V, 49800V, 49920V, 50040V, 50160V, 50280V, 50400V, 50520V, 50640V, 50760V, 50880V, 51000V, 51120V, 51240V, 51360V, 51480V, 51600V, 51720V, 51840V, 51960V, 52080V, 52200V, 52320V, 52440V, 52560V, 52680V, 52800V, 52920V, 53040V, 53160V, 53280V, 53400V, 53520V, 53640V, 53760V, 53880V, 54000V, 54120V, 54240V, 54360V, 54480V, 54600V, 54720V, 54840V, 54960V, 55080V, 55200V, 55320V, 55440V, 55560V, 55680V, 55800V, 55920V, 56040V, 56160V, 56280V, 56400V, 56520V, 56640V, 56760V, 56880V, 57000V, 57120V, 57240V, 57360V, 57480V, 57600V, 57720V, 57840V, 57960V, 58080V, 58200V, 58320V, 58440V, 58560V, 58680V, 58800V, 58920V, 59040V, 59160V, 59280V, 59400